

### Remarks

The Notice of Allowability mailed on January 24, 2012 in the instant application states in item 3 that the allowed claims are 1-4, 6, 7, 14-20, 36, 38 and 39. Applicants submit this amendment merely to correct typographical errors and to include species that are within the allowed scope. Claims 1, 3, 15, 16, 17, and 18 are amended herein.

Claim 1 has been amended to correct typographical and formatting errors for consistencies:

1) At page 2, insert a comma after the structure of T and insert the term “and” prior to definition (r) for variable R<sup>101</sup>.

2) At page 3, replace the unnecessary period with a semicolon for variables R<sup>101</sup> and R<sup>103</sup> and insert a comma after definitions (c) and (d) for variable R<sup>104</sup>. The definition (d) for R<sup>103</sup> has been amended to read  $\text{--OC}((\text{O})\text{R}^{114})\text{--OC}(\text{O})\text{R}^{114}$ .

3) At page 4, delete the unnecessary terms “may be” and “to” and amend the term “alternately” to read “alternatively”.

4) At page 5, insert a comma after the structure for variables R<sup>104</sup> and R<sup>105</sup>. The term “alternately” has been amended to read “alternatively”. The definition (l) for variables R<sup>105</sup> and R<sup>106</sup> has been amended to read  $\text{--OC}((\text{S})\text{NR}^{114})\text{--OC}(\text{S})\text{NR}^{114}$ . The structure for variables M, R<sup>105</sup>, and R<sup>106</sup> has been amended to include wavy lines and a comma after the structure for consistency.

5) At page 6, insert a comma after each structure and the term “or” prior to the last structure of the series for consistency.

6) At page 7, insert a semicolon after the structure for variables M and R<sup>104</sup>, insert a colon for variable R<sup>107</sup>, and delete unnecessary variables R<sup>111</sup> and R<sup>113</sup>.

7) At page 8, replace the comma with a semicolon for variable R<sup>114</sup> and insert the term “and” prior to definition (f) for variable R<sup>115</sup>.

8) At page 9, reformat the commas after  $\text{--NR}^{114}$  and definition (ii) so they are not subscripted and replace the semicolon after definition (uu) with a comma. Variable R<sup>117</sup>, definition (i) has been amended to read  $(\text{CR}^{116}\text{R}^{116})_t\text{NO}_2(\text{CR}^{116}\text{R}^{116})_t\text{NO}_2$ .

9) At page 10, delete the unnecessary term “may” for variable  $R^{117}$  and the extra space between “of” and “:” for variable  $R^{118}$ .

10) At page 11, delete the unnecessary terms for variable  $R^{119}$ .

11) At page 12, replace the semicolon with a comma for definition (cc). At pages 12 to 13, delete unnecessary variables  $R^{122}$ ,  $R^{123}$ , and  $R^{125}$ .

12) At page 13, insert a close parenthesis, comma, and semicolon for variable  $R^{127}$ ; insert semicolons for variables  $R^{128}$ ,  $R^{129}$ , and  $R^{110}$ ; replace the term “Alternatively” with “alternatively”; and delete the duplicative variable  $R^{126}$  that follows variable  $R^{125}$ .

13) At page 14, insert a semicolon after the structure for variables  $R^{109}$  and  $R^{110}$ , replace the term “Alternately” with “alternatively”, and delete the unnecessary term “may”. For variable F, insert the term “and”. For variable G, insert a colon between “of” and definition (aa). The definitions (g) and (k) for variables  $R^1$  and  $R^3$  have been deleted and the alphabet letterings for definitions (h) to (j) have been updated. The term “and” has been inserted prior to definition (i) for variables  $R^1$  and  $R^3$ .

14) At page 15, insert the term “and” prior to definition (ff), insert a colon for variable Z after “of”, and replace the term “or” with “and” for variable Z prior to definition (xx).

15) At page 16, replace the comma with a semicolon for variable  $R^4$  after the term “groups” and replace the semicolon with a comma for variable  $R^5$  after the term “sulfur”.

16) At page 17, replace the comma with a semicolon for variable  $R^6$  after the term “sulfur” and insert a comma after definition (i) for variable  $R^7$ .

17) At page 18, delete the unnecessary term “may” for variable  $R^7$  and delete the extra space for variable  $R^8$  between “of” and “:” prior to definition (aa).

18) At pages 19 to 20, delete the definitions (g) and (k) for variable  $R^{12}$ , update the alphabet letterings for definitions (h) to (o), and amend (l)-(o) to read (j)-(m). The term “substitued” has been amended to read “substituted”.

19) At page 20, delete the unnecessary term “or” for variable  $R^{12}$  and insert the term “and” prior to definition (m) for variable  $R^{12}$  and after variable u.

Claim 3 has been amended to delete an unnecessary period. This is a typographical error.

Claim 15 has been amended to include three chemical structures and the commas after each structure. These three structures are within the scope of allowed claim 1, where

M is  $-\text{NR}^{114}-\text{CH}_2-$ ;

$\text{R}^{109}$ ,  $\text{R}^{110}$ , and  $\text{R}^{104}$  are H;  $\text{R}^{104}$  is  $\text{C}_1$  alkyl for the third structure;

one of  $\text{R}^{100}$  and  $\text{R}^{101}$  is H and the other is  $\text{C}_1$  alkyl;

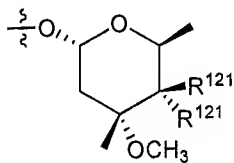
$\text{R}^{108}$  is  $\text{C}_2$  alkyl;

$\text{R}^{107}$  is  $\text{C}_1$  alkyl;

$\text{R}^{106}$  is  $\text{OR}^{114}$ , where  $\text{R}^{114}$  is H;

$\text{R}^{105}$  is  $\text{OR}^{114}$ , where  $\text{R}^{114}$  is H;

$\text{R}^{102}$  is H; and

$\text{R}^{103}$  is , where one of  $\text{R}^{121}$  is H and the other is  $\text{OR}^{118}$  or  $\text{NR}^{118}\text{R}^{118}$  ( $\text{R}^{118}$  is H), or where two  $\text{R}^{121}$  groups taken together form  $=\text{O}$ .

Support for the amendment can be found in the specification as filed, at least, at page 39, lines 1-20 (the first three structures). An unnecessary comma (prior to the period) has been deleted. This is a typographical error.

Claim 16 has been amended to delete an unnecessary comma (prior to the period). This is a typographical error. Claim 16 has also been amended to include two structures that are within the scope of allowed claim 1, where

M is  $-\text{NR}^{114}-\text{CH}_2-$ ;

$\text{R}^{109}$ ,  $\text{R}^{110}$ , and  $\text{R}^{104}$  are H;  $\text{R}^{104}$  for the second structure is  $\text{C}_1$  alkyl.

one of  $\text{R}^{100}$  and  $\text{R}^{101}$  is H and the other is  $\text{C}_1$  alkyl;

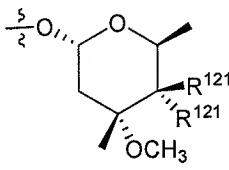
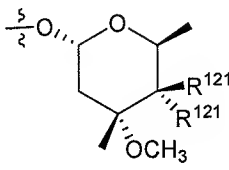
$\text{R}^{108}$  is  $\text{C}_2$  alkyl;

$\text{R}^{107}$  is  $\text{C}_1$  alkyl;

$\text{R}^{106}$  is  $\text{OR}^{114}$ , where  $\text{R}^{114}$  is H;

$\text{R}^{105}$  is  $\text{OR}^{114}$ , where  $\text{R}^{114}$  is H;

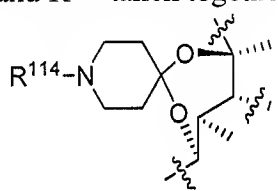
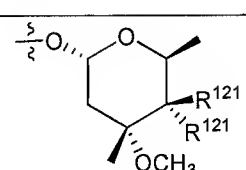
$\text{R}^{102}$  is H; and


 $R^{103}$  is , where one of  $R^{121}$  is H and the other is  $OR^{118}$  ( $R^{118}$  is H), or where two  $R^{121}$  groups taken together form =O.

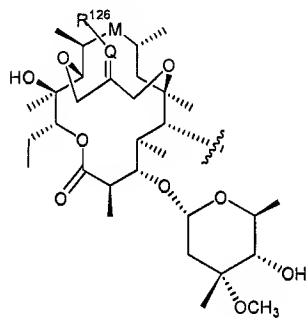
Support for the amendment can be found in the specification as filed, at least, at page 41, line 26.

Claim 17 has been amended to delete T32, its chemical structure, and the unnecessary semicolon.

Claim 17 has also been amended to include T5, T6, and T22 and their respective structures. T5, T6 and T22 are within the scope of allowed claim 1:

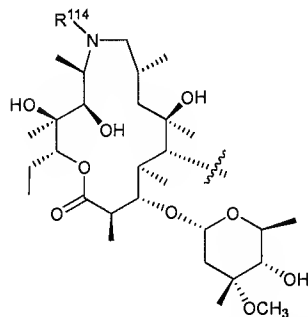
variable	T5	T6	T22
M	$-NR^{114}-CH_2-$ , where $R^{114}$ is $C_1$ alkyl	$-NR^{114}-CH_2-$ , where $R^{114}$ is $C_1$ alkyl	$-NR^{114}-CH_2-$ , where $R^{114}$ is $C_1$ alkyl;
$R^{109}$ and $R^{110}$	H	H	H
$R^{104}$	H	$C_1$ alkyl	$R^{103}$ and $R^{104}$ taken together  form where $R^{114}$ is H
$R^{100}$ and $R^{101}$	one of $R^{100}$ and $R^{101}$ is H and the other is $C_1$ alkyl	$R^{100}$ $C_1$ alkyl and $R^{101}$ is F	one of $R^{100}$ and $R^{101}$ is H and the other is $C_1$ alkyl
$R^{108}$	$C_2$ alkyl	$C_2$ alkyl	$C_2$ alkyl
$R^{107}$	$C_1$ alkyl	$C_1$ alkyl	$C_1$ alkyl
$R^{106}$	$OR^{114}$ , where $R^{114}$ is H	$OR^{114}$ , where $R^{114}$ is H	$OR^{114}$ , where $R^{114}$ is H
$R^{105}$	$OR^{114}$ , where $R^{114}$ is H	$OR^{114}$ , where $R^{114}$ is H	$OR^{114}$ , where $R^{114}$ is H
$R^{102}$	H	$R^{102}$ and $R^{103}$ taken together form a carbonyl	H
$R^{103}$	 , where one of $R^{121}$ is H and the other is $OR^{118}$ ( $R^{118}$ is H)	See variable $R^{102}$	See variable $R^{104}$

Claim 18 has been amended to replace certain structure numbers with the corresponding chemical structures, and to include structures 614 and 630. Support for the amendment to replace the structure numbers with the corresponding chemical structures can be found in the specification as filed, at least, at Tables 1 and 13. Support for structures 614 and 630 can be found in the specification as filed, at least, at page 174 and at page 178, Table 1. Structures 614 and 630 are within the scope of allowed claim 1, where M is  $-C(O)-$  and  $-C(=NOR^{127})-$ , respectively. Specifically, structure 614 specifies structure T13 as recited in dependent claim 17. Structure 630 specifies T structure:



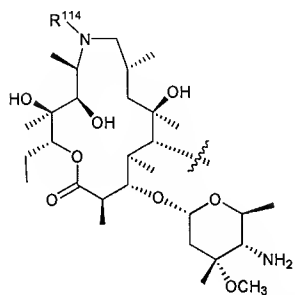
(where Q is CH and  $R^{126}$  is H) as recited in dependent claim 15.

Further, claim 18 has been amended to include structure numbers 101-126, 129-219, 221-241, 244-252, 254-280, 290, 460-466, 550-556, 602, 616, 617, 701-727, 738, 746-748, and 750-752. These structures are within the scope of allowed claim 1, where M is  $-NR^{114}-CH_2-$ . More specifically, structure numbers 101-126, 129-219, 221-241, 244-252, 254-280, 290, 460-466, 550-556, 602, 616, 617, 701-727, 746-748, and 750-752 specifies T structure:



as recited in dependent claim 15.

Structure number 738 specifies T structure:



as recited in dependent claim 15.

Support for the amendment can be found in the specification as filed, at least, at Tables 1 and 13.


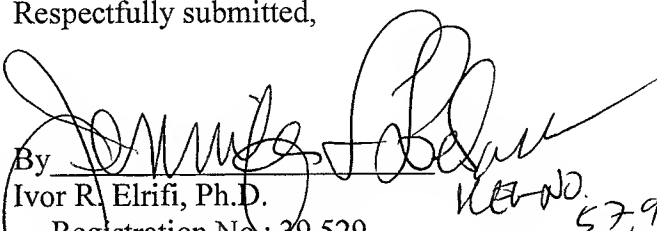
No new matter has added by these amendments. These amendments embody merely the corrections of minor typographical errors and recite certain species that are within the scope of allowed claim 1.

**Conclusion**

On the basis of the foregoing amendments and remarks, Applicants respectfully request that the present amendments under 37 C.F.R. §1.312 be entered. If there are any questions regarding these amendments and remarks, the Examiner is encouraged to contact the undersigned at the telephone number provided below.

Dated: February 15, 2012

Respectfully submitted,

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